

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Reid Von Borstel et al

Atty. Ref.: 1331-436

Serial No. Unassigned

TC/A.U.: Unassigned

Filed: April 15, 2004

Examiner: Unassigned

For: ACYL DEOXYRIBONUCLEOSIDE DERIVATIVES AND USES
THEREOF

* * * * *

April 15, 2004

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

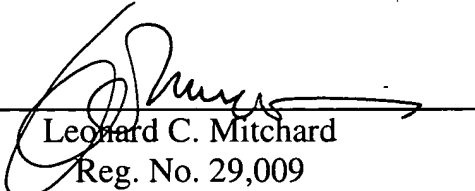
Attached is a completed Form PTO-1449 listing references in connection with this application. Copies of these references are in the file-wrapper of parent application Serial No. 09/494,242 and are therefore not being submitted with this IDS.

The Examiner is requested to initial the attached PTO-1449, and to return a copy of the initialed document to the undersigned as an indication that the listed references have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: _____


Leonard C. Mitchard
Reg. No. 29,009

LCM:lfm

1100 North Glebe Road, 8th Floor

Arlington, VA 22201-4714

Telephone: (703) 816-4000

Facsimile: (703) 816-4100

INFORMATION DISCLOSURE CITATION

ATTY. DOCKET NO.

SERIAL NO.

1331-436

Unassigned

APPLICANT

Reid Von Borstel et al et al

(Use several sheets if necessary)

FILING DATE

TC/A.U.

April 15, 2004

Unassigned

U.S. PATENT DOCUMENTS

STAFF WORK DOCUMENTS							FILING DATE
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE	
	4,048,432	09/1977	Baker				
	4,757,139	07/1988	Kawaguchi et al				
	3,991,045	04/1976	Ishida et al				
	3,975,367	08/1976	Gish et al				
	4,208,406	06/1980	Lapinet et al				
	4,560,678	12/1985	Ranson				
	4,657,896	04/1987	Yano et al				
	4,675,189	06/1987	Kent et al				
	4,758,553	07/1988	Ogoshi				
	4,868,162	09/1989	Kawaguchi et al				
	5,246,708	09/1993	von Borstel				
	3,894,000	07/1975	Wechter et al				
	3,585,188	06/1971	Marumoto et al				
	3,847,898	11/1974	Kelly				

FOREIGN PATENT DOCUMENTS

PATENT EVENT DOCUMENTS							TRANSLATION	
DOCUMENT			DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
		6123917	09/1981	JP				
		0049315	03/1983	JP				
		0222192	05/1987	EP				
		0028929	02/1985	JP				
		3319282	11/1983	DE				
		0056265	07/1982	EP				
		60-174797	09/1985	JP				
		60-064907	04/1985	JP				
		58-167589	10/1983	JP				
		57-091995	06/1982	JP				
		2147094	04/1973	W. DE				
		1941942	03/1971	W. DE				
		2096712	02/1972	FR				
		2556727	06/1985	FR				
		2023085	02/1977	JP				
		8167598	10/1983	JP				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Ensminger et al; <i>The Chemical Abstracts</i> , 92: 87921x (1980).
	Narang et al; <i>The Chemical Abstracts</i> , 83:147700a (1975).

***Examiner**

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE CITATION	ATTY. DOCKET NO. 1331-436	SERIAL NO. Unassigned
	APPLICANT Reid Von Borstel et al et al	
(Use several sheets if necessary)	FILING DATE April 15, 2004	TC/A.U. Unassigned

	Adamiak et al; <i>The Chemical Abstracts</i> , 106:156803g (1987).
	Pfleiderer, <i>The Chemical Abstracts</i> ; 107:218016j (1987).
	Nair et al; <i>The Chemical Abstracts</i> ; 101:192382z (1984).
	Ishido et al; <i>The Chemical Abstracts</i> ; 92:59149h (1980).
	<i>Hackh's Chemical Dictionary</i> ; 3 rd ed. Julius Grant, ed. pp. 44, 45, 332, 333.
	Ensminger et al; <i>Biochem. Pharm.</i> ; 28, pp. 1541-1545 (1979) Thymidine 5'-O-pivolate.
	Rosowsky, <i>Cancer Treatment Reports</i> ; 65 (1-2), 93-98 (1981).
	Morrison and Boyd, Fourth Edition, " <i>Organic Chemistry</i> "; Allyn and Bacon, Inc. Boston, 1983.
	Kanazir et al; <i>Bull. Inst. Nuc. Sci.</i> ; "Boris, Kidrich"; 9:145-153 (1959).
	Beltz et al; <i>Bioch. Biophys. Acta</i> ; 297:258-267 (1973).
	Hunting, D.J. et al; <i>Carcinogenesis</i> ; 6:1525-1528 (1985).
	Golba, et al; <i>Int. J. Rad. Biol.</i> ; 13:261-268 (1967).
	Goh et al; <i>Proc. Soc. Exp. Biol. Med.</i> ; 145:938-943 (1974).
	Horikawa, et al.; <i>Exp. Cell Res.</i> ; 34:198-200 (1964).
	Pantic, et al; <i>Nature</i> ; 193:993-994 (1962).
	Paoletti, et al; <i>Rev. Francais. Etudes Clin. et Bio.</i> ; 9:950-955 (1964).
	Petrovic, et al; <i>Int. J. Radiat. Biol.</i> ; 18:243-258 (1970).
	Petrovic, et al; <i>Studia Biophysica</i> ; 43:13-18 (1974).
	Petrovic, et al; <i>Int. J. Radiat. Res.</i> ; 11:609-611 (1967).
	Savkovic et al; <i>Nature</i> ; 203:1297-1298 (1964).
	Savkovic et al; <i>Nature</i> ; 211:1179-1180 (1966).
	Savkovic et al; <i>Int. J. Rad. Biol.</i> ; 9:361-368 (1965).
	Smets, et al; <i>Int. J. Rad. Biol.</i> ; 13:269-273 (1967).
	Soska et al; <i>Folia Biologica</i> ; 5:190-198 (1959).
	Sugahara et al; <i>Brookhaven Symposia in Biology</i> ; 284-302 (1967).
	Wagner; <i>Int. J. Rad. Biol.</i> ; 12:101-112 (1967).
	Wilczok et al; <i>Int. J. rad. Biol.</i> ; 9:201-211 (1965).
	Goyanes-Villaescusa et al; <i>Lancet</i> ; 2:575-576 (1973).
	Dumont, <i>Ann. Surg.</i> ; 150:799-807 (1959).
	Nicolau et al; <i>Der Hautarzt</i> ; 17:512-515 (1966).
	Marshak et al; <i>Proc. Soc. Exp. Biol. Med.</i> ; 58:62-63 (1945).
	Newman et al; <i>Am. J. Physiol.</i> ; 164:251-253 (1951).
	Casida et al; <i>Biochemical Pharmacology</i> ; 15:627-644 (1966).
	Fridovich; <i>Annu. Rev. Biochem.</i> ; 44:147-159 (1975).
	<i>Leukemia</i> , 2(10) 109-110 (1988).
	<i>Blood</i> ; 74(6) 1923-1928 (1989).
	<i>Cancer Treatment Reports</i> ; 69(7-8); 851-857 (1985).
	<i>Chemical Abstracts</i> , Vol. 74, No. 112368k, Rajabalee, Angew. Chem. Int. Ed Engl. 10(1): 75 (1971).
	Robins, M.J. et al; <i>Biochemistry</i> ; Vol. 13, No. 3, 29 th January 1974, pp. 553-559; "3'-O-aminoacyl-2'-deoxyadenosines and 2'-O-aminoacyl-3'-deoxyadenosines related to charged transfer ribonucleic acid termini".
	Dutta, S.P. et al; <i>Biochemistry</i> , Vol. 14, No. 14, 15 th July 1974, pp. 3144-3151; "Synthesis and properties of the naturally occurring N-[9-beta-D-ribofuranosylpurin-6-yl]-N-methylcarbamoyl]-L-threonine (mt6A) and other related synthetic analogs".
	Bhuta, A. et al; <i>Biochemistry</i> , Vol. 20, No. 1, 6 th January 1981, pp. 8-15; American Chemical Society; "Stereochemical control of ribosomal peptidyltransferase reaction. Role of amino acid side-chain orientation of acceptor substrate".

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

**INFORMATION DISCLOSURE
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

1331-436

Unassigned

APPLICANT

Reid Von Borstel et al et al

(Use several sheets if necessary)

FILING DATE

TC/A.U.

April 15, 2004

Unassigned

	Quiggle, K. et al; <i>Biochemistry</i> , Vol. 20, No. 12, 9 th June 1981, pp. 3480-3485; American Chemical Society; "Donor Site of Ribosomal Peptidyltransferase: Investigation of Substrate Specificity using 2'(3')-O-(N-acylaminoacyl)dinucleoside phosphates as models of the 3'terminus of N-acylaminoacyl transfer ribonucleic acid".
	Buchi, G. et al; <i>Journal of American Chemical Society</i> , Vol. 104, No. 2, 1982, pp. 544-547; American Chemical Society; "Photochemical epoxidation of aflatoxin B1 and sterigmatocystin: Synthesis of Guanine-Containing adducts".
	Matsuura, T. et al; <i>Pure and Applied Chemistry</i> ; Vol. 52, No. 12, 1980, pp. 2705-2715; IUPAC GB; "Organic Chemical Approach to Photo-Cross-Links of Nucleic Acids to Proteins".
	Ryu, E.K. et al; <i>Journal of Carbohydrate Nucleosides Nucleotides</i> , Vol. 4, No. 6, 1977, pp. 387-408, Marcel Dekker, Inc.; "Aminoacyl Derivatives of Nucleosides, Nucleotides, and Polynucleotides. XXVII. General Synthesis of 2'(3')-O-Aminoacyl Dinucleoside Phosphates Derived from the AA-tRNA terminus."

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.